**Answer Key**

**Worksheet 11**

|  |  |
| --- | --- |
| Php 25 x 5 = ***Php 125*** | 630 kg/ 9m3 = ***70 kg/m3*** |
| 12. 00 m / 4.0 s = ***3.0 m*** | 3 ( 150kg) = ***450 kg*** |
| 125 kg / 5 = ***25.0 kg*** | (3.00 m x 3.0m) /2s  = ***5 m/s2*** |
| (2.00 m) (3.0 m) (4m)  = ***20 m3*** | (15 g) (3 pieces) = ***45g*** |

**Worksheet 12**

Since answers may vary I will check this worksheet.

**Worksheet 13**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  | 1,000,000 days  = ***3000 years*** |
|  | 10 decades = ***100 years*** |
|  | 500 months  = ***2,000 weeks*** |
|  | 9 km = ***6 miles*** |
|  | 13 feet = ***160 inches*** |
|  | 750 cm = ***7, 500 mm*** |

**Worksheet 14**

|  |
| --- |
| 17 kg/m = ***170 g/cm*** |
| 24 lbs/h = ***3.0 x 10-3 kg/s***  = ***0.0030 kg/s*** |
| 92 lbs/mi = ***26 kg/km*** |
| 56 ft-lbs/h = ***0.084 in-kg/s*** = ***8.4 x10-2 in-kg/s*** |
| 50 mi/hr-kg = ***0.001 km/min-g*** = ***1 x 10-3 kg/min-g*** |
| 1250 g/mL = ***1250 kg/L*** = ***1.25 x 103 kg/L*** |
| 130 kg/cm2 = ***1900 lb/in2*** = ***1.9 x 103 lb/cm2*** |
| 22 cm/min = ***3.7 mm/s*** |
| 22 cm2/min2 = ***0.61 mm2/s2*** |
| 56 days/kg = ***3.6 weeks/ lbs*** |
| 2 cm-kg/min = ***1,000,000 mm-g/hr*** |
| 36 yr/kg-km = ***310 months/lbs-mi*** |
| 370 dm3/h = ***0.0062 m3/min*** = ***6.2 x 10-3m3/h*** |
| 900 mi/hr2 = ***0.4 km/min2*** |

Things to do for ES Class

**Wednesday (Jan. 20, 2016)**

1. Form 3 groups by counting off from 1 to 3.
2. All class members must submit the questions I asked you to list yesterday after watching each video to each group. **Group 1** will collect the questions for **igneous rocks,** *Group 2* for *sedimentary rocks* and Group 3 for metamorphic rocks.
3. The groups must then meet and discuss how they can find answers to the questions submitted to them.
4. Go to the library to find initial answers to the questions. Further research may be done via internet at home.

**Thursday (Jan. 21, 2016)**

1. For the first 30 minutes, the groups will meet to
   1. share information on the questions that were submitted to them. A copy to the answers to these questions (complete with references) must be submitted to me by group
   2. Count off from 1-10
2. For the rest of the hour all members who counted the same number will meet and form a group. Example, a member from the Igneous group who counted 1 will join members from Sedimentary and Metamorphic groups who counted 1. These groups of three or four members will then meet and share what they have learned from their previous bigger groups.

Note that these activities are intended to prepare you for the task of identifying the rocks that will be assigned to you.

If you have questions, you may send me a message at 09273767978. Please don’t call.

Thank you and good luck!

Things to do for ES Class

**Wednesday (Jan. 20, 2016)**

1. Form 3 groups by counting off from 1 to 3.
2. All class members must submit the questions I asked you to list yesterday after watching each video to each group. **Group 1** will collect the questions for **igneous rocks,** *Group 2* for *sedimentary rocks* and Group 3 for metamorphic rocks.
3. The groups must then meet and discuss how they can find answers to the questions submitted to them.
4. Go to the library to find initial answers to the questions. Further research may be done via internet at home.

**Thursday (Jan. 21, 2016)**

1. For the first 30 minutes, the groups will meet to
   1. share information on the questions that were submitted to them. A copy to the answers to these questions (complete with references) must be submitted to me by group
   2. Count off from 1-10
2. For the rest of the hour all members who counted the same number will meet and form a group. Example, a member from the Igneous group who counted 1 will join members from Sedimentary and Metamorphic groups who counted 1. These groups of three or four members will then meet and share what they have learned from their previous bigger groups.

Note that these activities are intended to prepare you for the task of identifying the rocks that will be assigned to you.

If you have questions, you may send me a message at 09273767978. Please don’t call.

Thank you and good luck!